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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-34624

First Inventor

Martin A. Wand

Title

Servo Loop PID Compensator With Embedded Rate Limit

Express Mail Label No.

EV334467807

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Commissioner for Patents  
P.O. Box 1450, Mail Stop: Patent Application  
Alexandria, VA 22313-14501. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.3. ☒ Specification  
(preferred arrangement set forth below)  
[ Total Pages **19** ]  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure4. ☒ Drawing(s) (35 U.S.C. 113) Informal [ Total Sheets **5** ]5. Oath or Declaration [ Total Pages **2** ]a. ☒ Newly Executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.7618. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_  
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label**23494**or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

NAME

Robert D. Marshall, Jr.

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Robert D. Marshall, Jr.

Registration No. (Attorney/Agent)

28,527

Signature

Date

September 26, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
If you need assistance in completing the form, call 1-800-PTO-9199 and select optionU.S. PTO  
10/672681

09/26/03

**FEE TRANSMITTAL  
for FY 2003**

Patent fees are subject to annual revision.

Express Mailing Label No.: EV334467807

**Complete If Known**

Application Number	
Filing Date	September 26, 2003
First Named Inventor	Martin A. Wand
Examiner Name	
Group Art Unit	

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

Attorney Docket No. TI-34624

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account No. 20-0668

Deposit Account Name Texas Instruments Incorporated

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	750	201	355	Utility filing fee	\$750
1002	330	206	160	Design filing fee	
1003	520	207	245	Plant filing fee	
1004	750	208	355	Reissue filing fee	
1005	160	214	75	Provisional filing fee	
SUBTOTAL (1)					(\$750)

**2. EXTRA CLAIM FEES**

Extra Claims	Fee from below	Fee Paid
Total Claims 20	-20**= 0	X 18 = 0
Independent Claims 3	-3**= 0	X 84 = 0
Multiple Dependent		270 =

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1202	18	203	9	Claims in excess of 20	
1201	84	202	40	Independent claims in excess of 3	
1203	280	204	135	Multiple dependent claim, if not paid	
1204	84	209	40	**Reissue independent claims over original patent	
1205	18	210	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ 0)

\*\*or number previously paid, if greater; For Reissue, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	205	65	Surcharge - late filing fee of oath	
1052	50	227	25	Surcharge - late Prov'l filing fee or cover sheet	
1053	130	139	130	Non-English specification	
1812	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	112	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
1251	110	215	55	Extension for reply within first month	
1252	410	216	195	Extension for reply within second month	
1253	930	217	445	Extension for reply within third month	
1254	1,450	218	695	Extension for reply within fourth month	
1255	1,970	228	945	Extension for reply within fifth month	
1401	320	219	155	Notice of Appeal	
1402	320	220	155	Filing a brief in support of an appeal	
1403	280	221	135	Request for oral hearing	
1451	1,510	138	1,510	Petition to institute a public use proceeding	
1452	110	240	55	Petition to revive - unavoidable	
1453	1,300	241	620	Petition to revive - unintentional	
1501	1,300	242	620	Utility issue fee (or reissue)	
1502	470	243	220	Design issue fee	
1503	630	244	300	Plant issue fee	
1460	130	122	130	Petitions to the Commissioner	
1807	50	123	130	Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(q))	
1806	180	126	180	Submission of information Disclosure Stmt	
8021	40	581	40	Recording each patent assignment per property (times no. of properties)	
1809	750	246	355	Filing a submission after final rejection (37 CFR §1.129(a))	
1810	750	249	355	For each additional invention to be examined (37 CFR §1.129(b))	
1801	750	279	355	Request for Continued Examination (RCE)	
1802	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Robert D. Marshall, Jr.

Name (Print/Type)

Signature

Registration No.  
Attorney/Agent

28,527

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(972) 917-5290

Date

September 26, 2003

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